

MATERIAL SAFETY DATA SHEET**Warren Unilube, Inc.**

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PRODUCT IDENTIFICATION

Trade Name: Autoguard Gas Tank Treatment with Antifreeze Date Revised: 1/5/06

Synonyms/Product Code: Methyl alcohol, Methanol, Wood alcohol, Wood spirit, Carbinol
 Chemical Name: Methyl Alcohol CH₃OH
 Family Description: Alcohol
 DOT Hazard Class: Flammable Liquid; UN 1230

NFPA Codes: Health=1, Flammability=3, Reactivity=0

COMPOSITION

<u>Product</u>	<u>CAS Number</u>	<u>Wt%</u>	<u>Occupational Exposure Limits*</u>			<u>Units</u>
			<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other</u>	
Methyl Alcohol	67-56-1	100	200**	200**	250 STEL	ppm

- * = 8-Hr. TWA unless otherwise specified.
 ** = SKIN notation indicates that absorption through the skin contributes to the overall exposure.
 STEL = Short Term Exposure Limit; 15 minutes.
 N.A. = Not Available

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point 760 mmHg:	148°F	Melting Point:	-144°F
Vapor Pressure mmHg @ 68F:	97	Vapor Density (air=1):	1.1
Solubility in H ₂ O %:	100	pH:	N.A.
Specific Gravity (H ₂ O=1):	0.791	Evaporation Rate:	5.9 (n-Butyl Acetate=1)
% Volatile by Weight:	ca 100	Odor:	Pungent alcohol odor
Viscosity (method, temp):	0.59Cp @ 68°F		
Appearance: Clear, colorless liquid			

N.A. = Not Available

FIRE AND EXPLOSION DATA

Flash Point:	52°F (closed cup)	
Flammable Limits in Air % by Vol.:	Lower: 6.7	Upper: 36.5
Autoignition Temperature:	725°F	
Extinguishing Media:	Dry chemical, alcohol foam, or carbon dioxide.	

Skin Contact:	Immediately remove contaminated clothing and shoes. Wash affected areas with soap and flush with large amounts of water. If irritation persists, get medical attention.
Inhalation:	Remove to fresh air. If breathing has stopped, apply artificial respiration. Get immediate medical attention.
Ingestion:	Get the affected person to drink large amounts of water and then induce vomiting. Get immediate medical attention.

SPECIAL PROTECTION INFORMATION

Eye Protection:	Remove contact lenses. Wear chemical safety goggles where contact with liquid or mist may occur.
Skin Protection:	Wear impervious gloves when contact with skin may occur. Use face shields where splashing may occur.
Inhalation:	Use approved respiratory protective equipment for cleaning large spills or entry into large tanks, vessels or other confined spaces or in situations where exposure may exceed occupational exposure levels.
Ventilation:	Provide adequate general and local exhaust ventilation: (1) to keep mist or vapors below occupational exposure levels, (2) to prevent the formation of an oxygen deficient atmosphere, particularly in a confined space area; (3) to prevent the formation of explosive atmospheres.

SPILL OR LEAK AND DISPOSAL PROCEDURES

Spill Procedures:	Remove sources of heat or ignition. Remove spill with vacuum trucks or pump and soak up residue with an absorbent. Use approved respirator where occupational exposure limits may be exceeded.
Waste Disposal:	Dispose through a licensed waste disposal company. Follow federal, state and local regulations.

SPECIAL PRECAUTIONS AND COMMENTS

Storage Requirements:	Store in tightly closed containers in a cool, dry place, away from incompatible materials or sources of heat, ignition or strong oxidizers. Ground and bond all transfer and storage equipment. Empty containers may contain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition; they may explode and cause injury or death. Do not store in aluminum containers.
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SARA TITLE III INFORMATION

Section 311/312 Hazard Categorization

<u>Acute</u>	<u>Chronic</u>	<u>Fire</u>	<u>Pressure</u>	<u>Reactive</u>
X	X	X		

SARA Hazardous Substances

<u>Ingredient</u>	<u>CAS No.</u>	<u>%, Wt</u>	<u>Sec 313</u>	<u>Sec 302</u>	<u>RQ, lb</u>	<u>TPQ, lb</u>
Methyl Alcohol	67-56-1	100	X			

Key: Sec 313 = Toxic Chemicals, Section 313
Sec 302 = Extremely Hazardous Substances (EHS)
RQ = Reportable Quantity of EHS
TPQ = Threshold Planning Quantity of EHS

CALIFORNIA PROPOSITION 65 WARNING

None of the chemicals on the current Proposition 65 list are known to be present in this product.

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